



Report Index For  
Years 1940-1971

By  
T. E. Berghage

February 1972

# NAVY EXPERIMENTAL DIVING UNIT





NAVY EXPERIMENTAL DIVING UNIT  
WASHINGTON NAVY YARD  
WASHINGTON, D.C. 20390

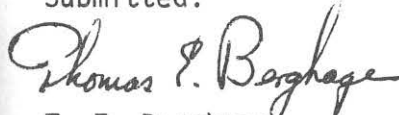
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## FORWARD

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## 1. INTRODUCTION

In a continuing effort to make the information within Experimental Diving Unit (EDU) reports more accessible to the diving community, a computerized Key-Word-In-Context (KWIC) index has been developed.

Each year an index will be produced that will contain all of the EDU reports produced up to that time. In other words, each index will contain all of the reports that were listed in the previous index plus those that have been produced during the preceeding year.

Through this effort, it is hoped that the diving community will be made aware of the navy's research program.

## 2. THE KWIC INDEX SYSTEM

There are three sections to this KWIC index. The first provides the user with a bibliographic listing of all of the EDU reports. Each bibliographic entry has a unique nine digit file number which serves to link the same reference in all three sections of this index. Also included in the bibliographic listing are the authors, the complete title, the report number and date, and the key words that have been assigned to the particular report.

The second section of the index consists of a author cross reference. All the authors listed for each report in section one of the index are cross referenced in section two. Each author in section two is listed with the file numbers associated with the reports he has written or co-authored.

The third section of the index lists the reports by the words that appear in the report title.

If a report has five words in its title it will be listed five times in this section. The Key-Word-In-Context (KWIC) index system utilizes the words in the title of an article for indexing the reference. Each keyword is "framed" with the other words in the title that surround it. One could be said to be looking at the keyword through a window that is 60 characters wide. Presenting the keywords in this fashion is necessary because often times words derive their meaning from the context in which they are used. If each word had its own precise meaning this type of presentation would not be necessary.

First reactions to the KWIC index is usually negative because the first impression is one of poor readability. This is due, in part, to the limitation of type face and also to the somewhat mangled appearance of the index line. Synonyms also appear to present minor problems. The importance of these objections wane, however, with continued use of the KWIC index, and the real value of the total system soon becomes evident to the user.

In the event that the keyword appears near the beginning or end of the title, the words surrounding the key-word are chosen using a wrap around technique which preserves the context of the keyword. With this wrap around method, the end of the title is reproduced to the left of a keyword that begins a title; the beginning of the title is reproduced to the right of a key word that ends a title. For titles that have more than 60 characters a plus sign is inserted in the KWIC listing to indicate the

portion of the title that has been deleted. An equal sign is used to indicate the end of the title. Access to complete bibliographic information may be gained by cross referencing back to section one of the index using the nine digit file number.

For effective use of KWIC indexes, the user should be aware of their special characteristics, and should have an appreciation of the essential differences between these indexes and subject-heading indexes. Moreover, the user must realize that he will need to look for synonyms of the words that most precisely describe the subject for which he is searching. Also, the user may need to look from the specific to the general when using KWIC rather than from the general to the specific, as is the case when using a subject-heading index. Finally, the user must be aware of terms used in relationship to the subject for which he is searching, even though those terms are not in hierarchal relationship to each other. Consequently the ease with which a narrow subject may be located in the KWIC indexes should not detract the user from other possible leads to relevant bits of information.



## Section I

### Bibliographic Listing





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	000110272		000110233
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	000110095	HAYTER, R.	000110223
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JAMES, T.W.	000110164		000110232
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	000110227	KIESSLING, R.J.	000110159
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	000110231	KINCAID, C.T.	000110050
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	000110150	KULIG, J.W.	000110252
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JENNER, R.	000110238		000110139
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JONES, H.G.	000110225		000110180
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MUNGER, F.H.	000110116		000110118
MURDOCH, R.A.	000110217		000110120
PARKINSON, T.	000110214		000110123
PLOOF, K.	000110080		000110125
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POWELL, B.L.	000110153		000110127
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SMITH, L.L.	000110121		000110043
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	000110130	WEX, T.G.	000110269
SNYDER, J.F.	000110119		000110273
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SPAUR, W.H.	000110268	WHITAKER, C.F.	000110171
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	000110175	WILEY, L.L.	000110170
STRICKLAND, F.T.			000110173
	000110098	WILLMON, T.L.	000110001
SUGLIA, T.A.	000110121	WILLOUGHBY, P.L.	
SUMMITT, J.K.	000110219		000110085
	000110223		000110087
	000110224		000110091
	000110239	WILSON, W.K.	000110235
	000110240	WISE, D.A.	000110186
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	000110250	WOLFE, T.R.	000110056
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	000110252	WOOD, W.B.	000110179
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	000110254	WORKMAN, R.D.	000110104
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TAYLOR, J.R.	000110229	YARBROUGH, O.D.	000110008
THOMPSON, E.D.	000110058	ZAMPERINI, A.L.	000110134
TOLHURST, G.C.	000110263		000110156
TOWLE, H.J.	000110181	ZINGSHEIM, G.	000110241
VAIL, J.R.	000110181	ZUBER, S.D.	000110206
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WAITE, C.L.	000110038		
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WALKOWSKI, A.J.	000110066		
WALLACE, K.W.	000110204		



### Section III

#### Key Word In Context Listing





ESIGN.= CARBON DIOXIDE	ABSORBENT EVALUATION AND CANISTER D	000110158
E-PACKED DISPOSABLE CO2	ABSORBENT CANISTER.= + ( SCOTT ) PR	000110227
AND CARBON DIOXIDE	ABSORBENT CANISTER FOR USE WITH HARD	000110228
BARALYME CARBON DIOXIDE	ABSORBENT IN PLACE OF SHELL NATRON	000110204
LOW-RESISTANCE CO2	ABSORPTION CANISTER FOR SCUBA.=	000110198
NTITATIV+CARBON DIOXIDE	ABSORPTION SYSTEMS FOR SCUBA. 1. QUA	000110195
ORY AND+ CARBON DIOXIDE	ABSORPTION SYSTEMS FOR SCUBA. 2. THE	000110198
REVIEW OF DIVING	ACCIDENT REPORTS 1968.=	000110253
REVIEW OF DIVING	ACCIDENT REPORTS 1969.=	000110254
REVIEW OF DIVING	ACCIDENTS REPORTS 1967.=	000110219
TICS - U.S. NAVY DIVING	ACCIDENTS.= SUMMARY STATIS	000110202
TOCK RECOMPRESSION CAI+	ACCURACY OF READINGS OF A STANDARD S	000110024
D OXYGEN ANALYZERS FOR	ACCURACY SIMPLICITY OF OPERATION AND	000110029
CO2 ABSORBENT + THE	ACME ( SCOTT ) PRE-PACKED DISPOSABLE	000110227
OF THE USE OF	ACTIVATED ALUMINA IN A MODIFIED 3000	000110117
EVALUATION OF POWDER	ACTUATED STUD DRIVING TOOLS FOR	000110141
EVALUATION OF A POWDER	ACTUATED STUD DRIVING TOOL FOR UNDER	000110150
EVALUATION OF A POWDER	ACTUATED STUD DRIVING TOOL FOR UNDER	000110151
-GAS SCUBA.=	ADAPTATION OF HELIUM-OXYGEN TO MIXED	000110132
-GAS SCUBA.=	ADAPTATION OF HELIUM-OXYGEN TO MIXED	000110197
OF OXYGEN THAT MUST BE	ADDED TO A BOTTLE OF HELIUM IN ORDER	000110021
A TEST TO DETERMINE THE	ADEQUACY OF DECOMPRESSION FOLLOWING	000110159
A TEST TO DETERMINE THE	ADEQUACY OF DECOMPRESSION FOLLOWING	000110179
CYLINDERS TO DETERMINE	ADHERENCE TO SPECIFICATION REQUIREME	000110206
CYLINDERS TO DETERMINE	ADHERENCE TO SPECIFICATION REQUIREME	000110260
VE FO+ THE DESIGN OF AN	ADJUSTABLE BREATHING BAG EXHAUST VAL	000110118
UATION OF BREATHING BAG	ADJUSTABLE RELIEF VALVE.= + EVAL	000110138
ALUATION OF THE BRITISH	ADMIRALTY P PARTY SUIT.= EV	000110038
EXPERIMENTAL DIVES FOR	ADS-IV DECOMPRESSION SCHEDULES.= +OF	000110240
+ PRELIMINARY REPORT ON	AEROEMBOLISM AND EQUIPMENT FOR OXYGE	000110001
REGULATOR AND CARBON +	AGONIC ENGINEERING INC. VENTURI RECI	000110228
SUPPORT SYSTEM- FORMER	AGONIC SYSTEM.= +AQUADYNE DIVER LIFE	000110230
MEN TO COMPRESSED	AIR AND HELIUM-OXYGEN MIXTURES FOR 1	000110130
SUPPLY PRESSURES, WITH	AIR AND HEO2 MIXTURES.= +AND VENTURI	000110015
AS A DIVER'S	AIR COMPRESSOR FOR THE NAVAL SERVICE	000110046
F CORNELIUS CO. SCUBA	AIR COMPRESSOR GASOLINE-DRIVEN 3.5 C	000110165
CO., INC. H.P.	AIR COMPRESSOR 6 CFM HURRICANE MODE	000110209
NSIN EXPERIMENTAL MODEL	AIR COMPRESSOR.= WISCO	000110052
MPANY MODIFIED PORTABLE	AIR COMPRESSOR.= JOHNSON SERVICE CO	000110059
MODEL NO. SK-375 DAPCO	AIR COMPRESSOR, TEST TWO, PRIORITY	000110011
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STANDARD	AIR DECOMPRESSION TABLES.=	000110110
MATE OF INCIDENCE USING	AIR DECOMPRESSION TABLES.= + AN ESTI	000110196
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TANDARD DEEP SEA DIVERS	AIR HELMET.= + SPIT-CKCK VALVE ON S	000110149
REVISED BAR-WAY DIVER'S	AIR HOSE COUPLING.= EVALUATION OF	000110096
CCJRRENCE OF COMPRESSED	AIR ILLNESS.= + VALUE IN THE O	000110005
CCURRENCE OF COMPRESSED	AIR ILLNESS.= + VALUE IN THE O	000110007
NORTHILL	AIR LUNG.=	000110063
= CALCULATION OF	AIR SATURATION DECOMPRESSION TABLES.	000110104
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CONTAINED BREATHING	APPARATUS UNDER IDENTICAL CONDITIONS		000110246
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